



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/981,047	10/16/2001	Michael F. Lamy	72145	6796

27975 7590 05/12/2004

ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST P.A.
1401 CITRUS CENTER 255 SOUTH ORANGE AVENUE
P.O. BOX 3791
ORLANDO, FL 32802-3791

EXAMINER

BUI, BING Q

ART UNIT	PAPER NUMBER
----------	--------------

2642

DATE MAILED: 05/12/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

fr

Office Action Summary

Application No.

09/981,047

Applicant(s)

LAMY ET AL.

Examiner

Bing Q Bui

Art Unit

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-20 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Nixon et al (US Pat No. 5,475,743), herein after referred as Nixon.

Regarding claim 1, referring to Figures 1-2A-B, Nixon teaches a method for selectively modifying digits of a dialed telephone number (e.g., a called canonical telephone number dialed by a caller) to conform with the connectivity requirements of the communication link serving a destination number, thereby enabling the call to reach the destination number, comprising the steps of:

(a) providing said digital communication device (e.g., system "10") with a called number substitution mechanism that is operative to automatically selectively modify said destination telephone number (see Figs 2A-B, elements 102, 110 – 120, 134 – 136 and 128; and col. 9, lns 9 – 40);

(b) processing said destination telephone number of said call, in accordance with said called number substitution mechanism, and selectively modifying said

Art Unit: 2642

destination telephone number to the extent necessary to produce an output telephone number that conforms with connectivity requirements for said communication circuit (see Figs 2A-B, elements 102, 110 – 120, 134 – 136 and 128; and col. 9, Ins 9 – 40); and

(c) coupling said output telephone number to said second port of said digital communication device (see Figs 2A-B, elements 102, 110 – 120, 134 – 136 and 128; and col. 9, Ins 9 – 40);.

Regarding claim 2, referring to Figures 1-2A-B, Nixon further teaches the digital communication device comprises an integrated access device (see Fig. 1 and col. 4, In 56 – col. 5, In 47).

Regarding claim 3, referring to Figures 1-2A-B, Nixon further teaches called number substitution mechanism in step (b) is operative to compare said destination telephone number with a plurality of potential substitute telephone (see Figs 2A-B, elements 114 – 120, 134 – 136 and 128); and col. 8, In 4 – col. 9, In 8); and step (c) comprises, in response to one of said plurality of potential substitute telephone numbers satisfying a prescribed relationship with said destination telephone number, coupling said one of said plurality of potential substitute telephone numbers as said output telephone number to said second port of said digital communication device (see Figs 2A-B, elements 114 – 120, 134 – 136 and 128); and col. 8, In 4 – col. 9, In 8).

Regarding claim 4, referring to Figures 1-2A-B, Nixon further teaches the called number substitution mechanism is operative to compare said destination telephone number with a plurality of potential substitute telephone numbers, and wherein step (c)

Art Unit: 2642

comprises, in response to one of said plurality of potential substitute telephone numbers satisfying a prescribed relationship with said destination telephone number, coupling said one of said plurality of potential substitute telephone numbers as said output telephone number to said second port of said digital communication device (see Figs 2A-B, elements 114 – 120, 134 – 136 and 128); and col. 8, ln 4 – col. 9, ln 8), but in response to none of said plurality of potential substitute telephone numbers satisfying said prescribed relationship with said destination telephone number, coupling said destination telephone number as, said output telephone number to said second port of said digital communication device (see Fig 2A, elements 102 – 106).

Regarding claim 5, referring to Figures 1-2A-B, Nixon further teaches the called number substitution mechanism is operative to compare said destination telephone number with a plurality of potential. substitute telephone numbers, and wherein step (c) comprises coupling that one of said plurality of potential substitute telephone numbers, which most closely matches said destination telephone number, as said output telephone number to said second port of said digital communication device (see Figs 2A-B, elements 114 – 120, 134 – 136 and 128); and col. 8, ln 4 – col. 9, ln 8), but in response to none of said plurality of potential substitute telephone numbers matching said destination telephone number, coupling said destination telephone number as said output telephone number to said second port of said digital communication device (see Fig 2A, elements 102 – 106).

Regarding claim 6, referring to Figures 1-2A-B, Nixon further teaches the called number substitution mechanism contains a plurality of potential substitute telephone

Art Unit: 2642

numbers, and wherein step (c) comprises coupling one of said plurality of potential substitute telephone numbers as said output telephone number to said second port of said digital communication device (see Figs 2A-B, elements 114 – 120, 134 – 136 and 128); and col. 8, ln 4 – col. 9, ln 8).

Regarding claim 7, referring to Figures 1-2A-B, Nixon further teaches the output telephone number has a different number of digits than said destination telephone number (see col. 9, lns 9 – 40).

Regarding claim 8, referring to Figures 1-2A-B, Nixon further teaches the output telephone number has the same number of digits as said destination telephone number (see Fig 2A, elements 102 – 106).

Regarding claim 9, referring to Figures 1-2A-B, Nixon teaches a communications controller containing a call routing mechanism that provides call connectivity of a call, comprising:

memory containing a plurality of potential substitute telephone numbers (see Fig. 1, elements 18 – 22 and col. 6, lns 52 – 56) ; and

a telephone number comparator routine that is operative to compare said destination telephone number with said plurality of potential substitute telephone numbers stored in memory, and selectively modify to the extent necessary to produce an output telephone number that conforms with connectivity requirements for said communication circuit (see Fig. 1, element 38 and col. 7, lns 26 – 43).

As to claim 10, it is rejected for the same reasons set forth to rejecting claim 2 above, since claim 10 is merely a system for implementing the method defined in the method claim 2.

As to claims 11, 13 and 19-20, they are rejected for the same reasons set forth to rejecting claim 3 above, since claims 11, 13 and 19-20 are merely a system for implementing the method defined in the method claim 3.

As to claims 12 and 16, they are rejected for the same reasons set forth to rejecting claim 7 above, since claims 12 and 16 are merely a system for implementing the method defined in the method claim 7.

As to claim 14, it is rejected for the same reasons set forth to rejecting claim 4 above, since claim 14 is merely a system for implementing the method defined in the method claim 4.

As to claim 15, it is rejected for the same reasons set forth to rejecting claim 5 above, since claim 15 is merely a system for implementing the method defined in the method claim 5.

As to claim 17, it is rejected for the same reasons set forth to rejecting claim 8 above, since claim 17 is merely a system for implementing the method defined in the method claim 8.

As to claim 18, it is rejected for the same reasons set forth to rejecting claim 1 above, since claim 18 is merely a system for implementing the method defined in the method claim 1.

Art Unit: 2642

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents are cited to further show the state of the art in general:

U.S. Pat. No. 5,452,353

U.S. Pat. No. 6,292,557

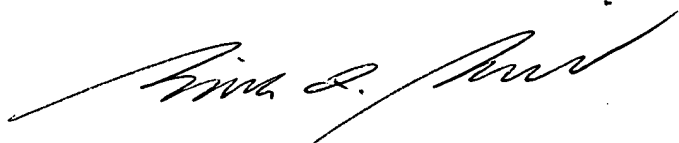
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bing Bui whose telephone number is (703) 308-5858. The examiner can normally be reached on Monday through Thursday from 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 and for formal communications intended for entry (please label the response

EXPEDITED PROCEDURE) or for informal or draft communications not intended for entry (please label the response "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Paper No. : 3



Bing Q. Bui
Primary Examiner